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Publisher: ACM

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July 2009 Communications of the ACM

Publisher: ACM

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4 DISP: Practical, efficient, secure and fault-tolerant distributed data st

Daniel Ellard, James Megquier

February 2005 Transactions on Storage (TOS) , Volume 1 Issue 1**Publisher:** ACM Request Permissions

Full text available: Pdf (148.11 KB) Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 87, Citations

DISP is a practical client-server protocol for the distributed storage of in most other contemporary protocols, DISP permits applications to make storage space, computational overhead, and ...

Keywords: Distributed data storage**5** VPFS: building a virtual private file system with a small trusted comp

Carsten Weinhold, Hermann Härtig

April 2008 Eurosys '08: Proceedings of the 3rd ACM SIGOPS/EuroSys Eu Systems 2008**Publisher:** ACM

Full text available: Pdf (386.31 KB) Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 188, Citation


In this paper we present the lessons we learned when developing VPFS, is based on both a small amount of trusted storage and an untrusted le same machine. VPFS' purpose is to provide ...

Keywords: legacy reuse, secure file system, virtualization

Also published in:

April 2008 **SIGOPS Operating Systems Review** Volume 42 Issue 4

⁶ [Queue: Volume 7 Issue 1](#)

 [January 2009 Queue](#)

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (2.84 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 296, Citati

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Conferences](#)

- 1 Set Manipulation with Boolean Functional Vectors for Symbolic Reach
 Amit Goel, Randal E. Bryant
 March 2003 **DATE '03: Proceedings of the conference on Design, Automation and Test in Europe**
Volume 1, Volume 1
Publisher: IEEE Computer Society

 Full text available: [Publisher Site](#), Pdf (144.26 KB) Additional Information: [full citation](#), [terms](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 14, Citation C

Symbolic techniques usually use characteristic functions for representing functional vectors provide an alternate set representation which is suitable. Their use in symbolic reachability analysis and model ...

- 2 Implicit pseudo boolean enumeration algorithms for input vector control
 Kaviraj Chopra, Sarma B. K. Vrudhula
 June 2004 **DAC '04: Proceedings of the 41st annual Design Automation Conference**

Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (159.13 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)
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In a CMOS combinational logic circuit, the subthreshold leakage current is due to the state of the inputs. In this paper we present a new approach to identify a set of input vectors (MLS). Applying a vector in ...

Keywords: CMOS, SAT, binary decision diagrams, leakage, power, symbolic

- 3 Combining speed with alpha-particle induced memory, error tolerance machine
 Richard M. King, Robert A. Wagner
 January 1984 **ISCA '84: Proceedings of the 11th annual international symposium on Computer Architecture**

Publisher: ACM

 Full text available: Pdf (275.62 KB) Additional Information: [full citation](#), [references](#),

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Co

Also published in:

 June 1984 **SIGARCH Computer Architecture News** Volume 12 Issue 3

4 The Boolean Vector Machine [BVM]



Robert A. Wagner

June 1983 **ISCA '83**: Proceedings of the 10th annual international symposium**Publisher**: ACM

Full text available: Pdf (806.15 KB)

Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation C

We describe the architecture of a class of machines intended to solve con problems much faster than can today's machines, at no increase in cost. programming of the BVM for several interesting algorithms ...

Also published in:

June 1983 **SIGARCH Computer Architecture News** Volume 11 Issue 3

5 Some uses of truncated Boolean vectors in analysis



Howard J. Smith, Jr.

May 1990 **APL '90**: Conference proceedings on APL 90: for the future**Publisher**: ACM

Full text available: Pdf (85.28 KB)

Additional Information: full citation, abstract, ind

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 5, Citation Co

The truncated first occurrence vector (TFOV) is a data construct which th variety of application areas. It is based on comparisons of adjacent items criterion. The use of the TFOV and its several ...

Also published in:

May 1990 **SIGAPL APL Quote Quad** Volume 20 Issue 4

6 Integrating Boolean and vector models of information retrieval with pa Michel Beigbeder

January 2005 **WISIC '05**: Proceedings of the 4th international symposium c
communication technologies**Publisher**: Trinity College Dublin

Full text available: Pdf (838.72 KB)

Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 30, Citation C

In the context of information retrieval, we propose here to merge in a sin the Boolean model, the vector space model, and passage retrieval in a sin based on signal theory. In this framework, we define ...

7 Simplifying Boolean constraint solving for random simulation-vector ge Jun Yuan, Ken Albin, Adnan Aziz, Carl Pixley


November 2002 **ICCAD '02**: Proceedings of the 2002 IEEE/ACM international
aided design**Publisher**: ACM

Full text available: Pdf (105.92 KB)

Additional Information: full citation, abstract, ref




Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 19, Citation C

We present an algorithm for simplifying the solution of conjunctive Boolee input variables, in the context of constrained random vector generation u approach is extraction of "hold-constraints" from ...

- 8 On $L \times n$ boolean matrices with all $L \times k$ submatrices having 2^k distinct
 Hongzhong Wu
 February 1991 **EURO-DAC '91**: Proceedings of the conference on European c
 Publisher: IEEE Computer Society Press
 Full text available:  Pdf (305.39 KB) Additional Information: full citation, abstract, ref




Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 1, Citation Co

This paper describes a new method to construct an $L \times n$ boolean matrix ($k < n$), such that every $L \times k$ submatrix contains 2^k distinct row vectors



- 9 On extending the vector space model for Boolean query processing
 S. K. M. Wong, W. Ziarko, V. V. Raghavan, P. C. N. Wong
 September 1986 **SIGIR '86**: Proceedings of the 9th annual international ACM
 Research and development in information retrieval
 Publisher: ACM 
 Full text available:  Pdf (1.07 MB) Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation C

An information retrieval model, named the Generalized Vector Space Mod
 handle situations where queries are specified as (extended) Boolean expr
 unified model, unlike currently available alternatives, ...

- 10 Breadth-first manipulation of SBDD of Boolean functions for vector prc
 Hiroyuki Ochi, Nagisa Ishiura, Shuzo Yajima
 June 1991 **DAC '91**: Proceedings of the 28th ACM/IEEE Design Automation C
 Publisher: ACM 
 Full text available:  Pdf (495.05 KB) Additional Information: full citation, references, cited


Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 3, Citation Co

- 11 Hybrid decision diagrams
 E. M. Clarke, M. Fujita, X. Zhao
 December 1995 **ICCAD '95**: Proceedings of the 1995 IEEE/ACM international
 aided design
 Publisher: IEEE Computer Society
 Full text available:  Publisher Site,  Pdf (150.48 KB) Additional Information: full citation,
 terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 12, Citation C


Abstract: Functions that map boolean vectors into the integers are impor
 verification of arithmetic circuits. MTBDDs and BMDs have been proposed
 functions. We discuss the relationship between these ...

Keywords: BMDs, MTBDDs, arithmetic circuits verification, binary decis
 circuit analysis computing, computational complexity, digital arithmetic, t
 integers, linear expressions, multi-terminal binary decision diagrams, syn
 algorithms, time complexity

- 12 Bit-precise reasoning with affine functions
 Neil Kettle, Andy King
 July 2008 **SMT '08/BPR '08**: Proceedings of the Joint Workshops of the 61

Satisfiability Modulo Theories and 1st International Workshop on

Publisher: ACM  Request Permissions

Full text available:  Pdf (234.54 KB)

Additional Information: full citation, abstract, ref-

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 6, Citation Co

The class of affine Boolean functions is rich enough to express constant b different bits of different words. For example, the function $(x_0) \wedge (\neg y_1) \wedge$

Keywords: abstract interpretation, model checking, propositional logic

13 Local Search for Boolean Relations on the Basis of Unit Propagation



Yakov Novikov

March 2003

DATE '03: Proceedings of the conference on Design, Autom

Volume 1, Volume 1

Publisher: IEEE Computer Society

Full text available:  Publisher Site,  Pdf (158.23 KB) Additional Information: full citation, terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 11, Citation C

We propose a method for local search of Boolean relations relating variable method is to branch on small subsets of the set of CNF variables and to a propagation. By taking into account variable value assignments ...



14 PHDD: an efficient graph representation for floating point circuit verific

Ying-An Chen, Randal E. Bryant

November 1997

ICCAD '97: Proceedings of the 1997 IEEE/ACM international aided design

Publisher: IEEE Computer Society


Full text available:  Publisher Site,  Pdf (124.74 KB) Additional Information: full citation, terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation C

Data structures such as *BMDs, HDDs, and K*BMDs provide compact representation map Boolean vectors into integer values, but not floating point value a new data structure, called Multiplicative Power Hybrid ...

Keywords: BDD, FDD, KFDD, BMD, *BMD, HDD, K*BMD, Floating Point, Verifications

15 Randomly supported independence and resistance

 Per Austrin, Johan Håstad

May 2009

STOC '09: Proceedings of the 41st annual ACM symposium on T

Publisher: ACM  Request Permissions

Full text available:  Pdf (499.78 KB)

Additional Information: full citation, abstract, ref-


Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 23, Citation C

We prove that for any positive integer k, there is a constant c_k such that $n^k \log n$ Boolean vectors with high probability supports a balanced k-wise


the case ...

Keywords: approximation resistance, k-wise independence

16 Image mining using association rules derived from feature matrix

 L. Jaba Sheela, V. Shanthi, D. Jaba Singh
January 2009 **ICAC3 '09: Proceedings of the International Conference on Ad Communication and Control**

Publisher: ACM  Request Permissions

Full text available:  Pdf (347.59 KB)


Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 20, Citation C


Association rule mining is a very important research topic in the field of d frequent itemsets is the key process in association rule mining. Tradition adopt an iterative method to discovery, which ...

Keywords: association rule, data mining, feature matrix, frequent items

17 Representation and manipulation of finite sets

 B. L. McAllister
June 1980 **SIGAPL APL Quote Quad**, Volume 10 Issue 4

Publisher: ACM


Full text available:  Pdf (523.84 KB)

Additional Information: full citation, abstract, ref


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 1, Citation Co

A set may be represented in APL either through a vector of its elements, representing its characteristic function with respect to a pre-specified uni interpretation of this Boolean vector as the binary ...

18 On feasible numbers (Preliminary Version)

 Janos Simon
May 1977 **STOC '77: Proceedings of the ninth annual ACM symposium on I**

Publisher: ACM  Request Permissions


Full text available:  Pdf (946.02 KB)

Additional Information: full citation, abstract, ref


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation Co

We study complexity problems associated with generation and manipulat many such questions may be formulated as problems about random acce recent results about RAMs with special instructions sets can ...

19 Rough sets and information retrieval

 P. Das-Gupta
May 1988 **SIGIR '88: Proceedings of the 11th annual international ACM SI and development in information retrieval**

Publisher: ACM  Request Permissions

Full text available:  Pdf (1.43 MB)

Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 75, Citation C

The theory of rough sets was introduced [PAWLAK82]. It allows us to classify equivalent members based on their attributes. We may then examine any objects (or even their attributes) using the resultant classification. ...

20 A transient hypergraph-based model for data access

 Carolyn Watters, Michael A. Shepherd

April 1990 **Transactions on Information Systems (TOIS)**, Volume 8 Issue

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.94 MB)

Additional Information: full citation, abstract, ref review

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 37, Citation C

Two major methods of accessing data in current database systems are query more traditional query method returns an answer set that may consist of containing the answer (full text), or items referring the ...

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1 Précis: from unstructured keywords as queries to structured databas
Alkis Simitsis, Georgia Koutrika, Yannis Ioannidis
January 2008 **The VLDB Journal — The International Journal on Very
Bases**, Volume 17 Issue 1

Publisher: Springer-Verlag New York, Inc.Full text available: Pdf (2.52 MB) Additional Information: [full citation](#), [abstract](#), [index I](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 92, Citator

Précis queries represent a novel way of accessing data, which combines
techniques from the fields of databases and information retrieval. They
keyword-based, queries on top of relational databases that generate en
relation ...

Keywords: Free-from queries, Keyword search, Query processing

2 Distributed query evaluation with performance guarantees
Gao Cong, Wenfei Fan, Anastasios Kementsietsidis

June 2007 **SIGMOD '07: Proceedings of the 2007 ACM SIGMOD Internation
Management of data**

Publisher: ACM [Request Permissions](#)Full text available: Pdf (526.78 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 155, Citatit**ADVANCED SEARCH** [Advanced Search](#)**FEEDBACK**

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Partial evaluation has recently proven an effective technique for evaluat
queries over a fragmented tree that is distributed over a number of site
is whether or not the technique is applicable to generic data-selecting ..

Keywords: Xpath queries, distributed XML documents, parallel query p


3 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool,
Randi Rost
August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM [Request Permissions](#)Full text available: Pdf (7.39 MB) Additional Information: [full citation](#), [abstract](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 630, Citation

Real-time procedural shading was once seen as a distant dream. When this course was offered four years ago, real-time shading was possible, of-a-kind hardware or by combining the effects of tens to hundreds of n

- 4 [Secondary-storage confidence computation for conjunctive queries](#)
 Dan Olteanu, Jiewen Huang
 June 2009 **SIGMOD '09: Proceedings of the 35th SIGMOD international conference on Management of data**

Publisher: ACM  Request Permissions

Full text available:  Pdf (565.76 KB) Additional Information: full citation, abstract, referer


Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 58, Citation

This paper investigates the problem of efficiently computing the confidence tuples in the answers to conjunctive queries with inequalities ($<$) on top probabilistic databases. This problem is fundamental to probabilistic dat

Keywords: decision diagrams, probabilistic databases, query processin

- 5 Preference Elicitation and Query Learning

[Avrim Blum](#), [Jeffrey Jackson](#), [Tuomas Sandholm](#), [Martin Zinkevich](#)
 December 2004 **The Journal of Machine Learning Research**, Volume 5
Publisher: MIT Press


Full text available:  Pdf (192.14 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 34, Citation

In this paper we explore the relationship between "preference elicitation problem that arises in combinatorial auctions, and the problem of learning studied in computational learning theory. Preference elicitation is the ...

- 6 [Application of aboutness to functional benchmarking in information retrieval](#)
 Kam-Fai Wong, Dawei Song, Peter Bruza, Chun-Hung Cheng
 October 2001 **Transactions on Information Systems (TOIS)**, Volume 19 1

Publisher: ACM  Request Permissions

Full text available:  Pdf (291.56 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 109, Citation


Experimental approaches are widely employed to benchmark the performance of information retrieval (IR) system. Measurements in terms of recall and precision are computed as performance indicators. Although they are good at assessi

Keywords: Aboutness, functional benchmarking, inductive evaluation, information retrieval

- 7 Modeling and querying moving objects in networks
[Hartmut Güting](#), [Telxreira de Almeida](#), [Zhiming Ding](#)

June 2006 **The VLDB Journal — The International Journal on Very Large Databases**
Volume 15 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (610.40 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 163, Citations: 0

Moving objects databases have become an important research issue. In modeling and querying moving objects, there exists a comprehensive framework of abstract data types to describe objects moving freely in the 2D plane, p

Keywords: ADT, Data type, Moving object, Network, Spatio-temporal

- 8 [Probabilistic information retrieval approach for ranking of database query results](#)
 Surajit Chaudhuri, Gautam Das, Vagelis Hristidis, Gerhard Weikum
September 2006 **Transactions on Database Systems (TODS)**, Volume 31


Publisher: ACM  Request Permissions

Full text available:  Pdf (394.04 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 239, Citations: 0

We investigate the problem of ranking the answers to a database query. When tuples are returned. In particular, we present methodologies to tackle top-k conjunctive and range queries, by adapting and applying principles of probabilistic

Keywords: Probabilistic information retrieval, automatic ranking, experimental evaluation, indexing, relational queries, user survey, workload

- 9 [XPath satisfiability in the presence of DTDs](#)
 Michael Benedikt, Wenfei Fan, Floris Geerts
May 2008 **Journal of the ACM (JACM)**, Volume 55 Issue 2


Publisher: ACM  Request Permissions

Full text available:  Pdf (916.97 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 255, Citations: 0

We study the satisfiability problem associated with XPath in the presence of DTDs. The problem of determining, given a query p in an XPath fragment and an XML document T , whether or not there exists an XML document T' such that $T' \models p$.

Keywords: Containment, DTDs, Satisfiability, XML, XPath

- 10 [L-diversity: Privacy beyond k-anonymity](#)
 Ashwin Machanavajjhala, Daniel Kifer, Johannes Gehrke, Muthuramakrishnan Venkitasubramaniam
March 2007 **Transactions on Knowledge Discovery from Data (TKDD)**


Publisher: ACM  Request Permissions

Full text available:  Pdf (838.00 KB) Additional Information: full citation, abstract, references


Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 384, Citations: 0

Publishing data about individuals without revealing sensitive information is an important problem. In recent years, a new definition of privacy called *k*-anonymity has gained popularity. In a *k*-anonymized dataset, each record ...

Keywords: ℓ-diversity, *k*-anonymity, Data privacy, privacy-preserving publishing

- 11 On-the-fly calculation and verification of consistent steering transactions
 David W. Miller, Jinhua Guo, Eileen Kraemer, Yin Xiong
 November 2001 **Supercomputing '01**: Proceedings of the 2001 ACM/IEEE Supercomputing (CDROM)


Publisher: ACM

Full text available:  Pdf (195.67 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation C

Interactive Steering can be a valuable tool for understanding and controlling computation in real-time. With Interactive Steering, the user may change computation by adjusting application parameters on-the-fly. In our system

Keywords: consistent cut, consistent steering, consistent transaction, program event, program transaction, steering event, steering transaction

- 12 Effective and efficient classification on a search-engine model
 Aris Anagnostopoulos, Andrei Z. Broder, Kunal Punera
 November 2006 **CIKM '06**: Proceedings of the 15th ACM international conference on Information and knowledge management


Publisher: ACM 

Full text available:  Pdf (345.36 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 114, Citation C

Traditional document classification frameworks, which apply the learned model to a document in a corpus one by one, are infeasible for extremely large documents like the Web or large corporate intranets. We consider the classification

Keywords: WAND, feature selection, query efficiency, search engine, transaction

- 13 On the memory requirements of XPath evaluation over XML streams
 Ziv Bar-Yossef, Marcus Fontoura, Vanja Josifovski
 June 2004 **PODS '04**: Proceedings of the twenty-third ACM SIGMOD-SIGACT symposium on Principles of database systems

Publisher: ACM 

Full text available:  Pdf (272.43 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 32, Citation C

The important challenge of evaluating XPath queries over XML streams has been of interest in the past two years. A number of algorithms have been proposed for processing wider fragments of the query language, and exhibiting better performance in terms of memory ...

14 Privacy via pseudorandom sketches



Nina Mishra, Mark Sandler

June 2006 **PODS '06**: Proceedings of the twenty-fifth ACM SIGMOD-SIGAC symposium on Principles of database systems**Publisher:** ACM Request Permissions

Full text available: Pdf (274.14 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 51, Citation

Imagine a collection of individuals who each possess private data that they share with a third party. This paper considers how individuals may represent their own data so as to simultaneously preserve their privacy and to enable

Keywords: data reconstruction, input perturbation schemes, privacy

15 Efficient skyline computation over low-cardinality domains

Michael Morse, Jignesh M. Patel, H. V. Jagadish

September 2007 **Vldb '07**: Proceedings of the 33rd international conference on data bases**Publisher:** VLDB Endowment

Full text available: Pdf (239.65 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 66, Citation

Current skyline evaluation techniques follow a common paradigm that eliminates elements from skyline consideration by finding other elements that dominate them. The performance of such techniques is heavily influenced by underlying data distribution.

16 Context modeling and discovery using vector space bases



Massimo Melucci

October 2005 **CIKM '05**: Proceedings of the 14th ACM international conference on Information and knowledge management**Publisher:** ACM Request Permissions

Full text available: Pdf (193.60 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 73, Citation

In this paper, context is modeled by vector space bases and its evolution is captured by linear transformations from one base to another. Each document or query is associated to a distinct base, which corresponds to one context. Also, an

Keywords: information retrieval in context, vector-space model

17 Applying learning algorithms to preference elicitation



Sebastian M. Lahaie, David C. Parkes

May 2004 **EC '04**: Proceedings of the 5th ACM conference on Electronic commerce**Publisher:** ACM Request Permissions


Full text available: Pdf (190.42 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 62, Citation

We consider the parallels between the preference elicitation problem in auctions and the problem of learning an unknown function from learning that learning algorithms can be used as a basis for preference elicitation


Keywords: combinatorial auctions, learning, preference elicitation

18 Composite model-checking: verification with type-specific symbolic n

 Tevfik Bultan, Richard Gerber, Christopher League

January 2000 **Transactions on Software Engineering and Methodology**
Volume 9 Issue 1

Publisher: ACM  Request Permissions


Full text available:  Pdf (400.17 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation

There has been a surge of progress in automated verification methods for hardware exploration. In areas like hardware design, these technologies are rapidly replacing phases of testing and validation. To date, one of the most successful of


Keywords: Presburger arithmetic, binary decision diagrams, symbolic model checking

19 Join-distinct aggregate estimation over update streams

 Sumit Ganguly, Minos Garofalakis, Amit Kumar, Rajeev Rastogi

June 2005 **PODS '05: Proceedings of the twenty-fourth ACM SIGMOD-SIGPLAN symposium on Principles of database systems**


Publisher: ACM  Request Permissions

Full text available:  Pdf (324.67 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 39, Citation


There is growing interest in algorithms for processing and querying *continuous streams* (i.e., data that is seen only once in a fixed order) with limited memory. Providing (perhaps approximate) answers to queries over such streams

20 Timeliness-based wait-freedom: a gracefully degrading progress condition

 Marcos K. Aguilera, Sam Toueg

August 2008 **PODC '08: Proceedings of the twenty-seventh ACM symposium on Distributed computing**

Publisher: ACM  Request Permissions

Full text available:  Pdf (382.75 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 80, Citation

We introduce a simple progress condition for shared object implementations. A gracefully degrading condition on the degree of synchrony in each run, called timeliness-based wait-freedom, provides a gradual bridge between

Keywords: abortable registers, dynamic leader election, graceful degradation, contention, obstruction-freedom, shared memory, universal construction

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- 1 Application of aboutness to functional benchmarking in information retrieval
Kam-Fai Wong, Dawei Song, Peter Bruza, Chun-Hung Cheng
October 2001 **Transactions on Information Systems (TOIS)**, Volume 19 1
Publisher: ACM [Request Permissions](#)

Full text available: Pdf (291.56 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 109, Citation

Experimental approaches are widely employed to benchmark the performance of information retrieval (IR) system. Measurements in terms of recall and precision are computed as performance indicators. Although they are good at assessing

Keywords: Aboutness, functional benchmarking, inductive evaluation, information retrieval

- 2 On-the-fly calculation and verification of consistent steering transaction
David W. Miller, Jinhua Guo, Eileen Kraemer, Yin Xiong
November 2001 **Supercomputing '01: Proceedings of the 2001 ACM/IEEE Supercomputing (CDROM)**
Publisher: ACM

Full text available: Pdf (195.67 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation C

Interactive Steering can be a valuable tool for understanding and controlling computation in real-time. With Interactive Steering, the user may change computation by adjusting application parameters on-the-fly. In our system

Keywords: consistent cut, consistent steering, consistent transaction, program event, program transaction, steering event, steering transaction

- 3 Composite model-checking: verification with type-specific symbolic model checking
Tevfik Bultan, Richard Gerber, Christopher League
January 2000 **Transactions on Software Engineering and Methodology**
Volume 9 Issue 1

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Full text available:  Pdf (400.17 KB) **Additional Information:** full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation

There has been a surge of progress in automated verification methods exploration. In areas like hardware design, these technologies are rapid phases of testing and validation. To date, one of the most successful of

Keywords: Presburger arithmetic, binary decision diagrams, symbolic

- 4 [A system for automatic personalized tracking of scientific literature on](#)
 Kurt D. Bollacker, Steve Lawrence, C. Lee Giles
 August 1999 **DL '99: Proceedings of the fourth ACM conference on Digital li**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (123.52 KB) **Additional Information:** full citation, references, cite

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 51, Citation

Keywords: citation index, information filtering, knowledge representati

- 5 [Access control for large collections](#)
 H. M. Gladney
 April 1997 **Transactions on Information Systems (TOIS)**, Volume 15 Issu


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (482.88 KB) **Additional Information:** full citation, abstract, referer terms, review


Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 160, Citatir

Efforts to place vast information resources at the fingertips of each Indi populations must be balanced by commensurate attention to informatio distributed systems with less-structured tasks, more-diversified informa

Keywords: access control, digital library, document, electronic library, security

- 6 [New results on monotone dualization and generating hypergraph tra](#)
 Thomas Eiter, Georg Gottlob, Kazuhisa Makino
 May 2002 **STOC '02: Proceedings of the thirty-fourth annual ACM symposiu computing**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (204.77 KB) **Additional Information:** full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 35, Citation


This paper considers the problem of dualizing a monotone CNF (equival all minimal transversals of a hypergraph), whose associated decision pr prominent open problem in **NP**-completeness. We present a number of

Keywords: combinatorial enumeration, dualization, hypergraph acyclic nondeterminism, output-polynomial algorithms, transversal computation

7 Building efficient and effective metasearch engines

 Weyi Meng, Clement Yu, King-Lup Liu
March 2002 **Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (416.07 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 383, Citatic


Frequently a user's information needs are stored in the databases of m engines. It is inconvenient and inefficient for an ordinary user to invoke engines and identify useful documents from the returned results. To sup

Keywords: Collection fusion, distributed collection, distributed informat information resource discovery, metasearch

8 Optimizing object queries using an effective calculus

 Leonidas Fegaras, David Maier
December 2000 **Transactions on Database Systems (TODS)**, Volume 25 I:

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (641.65 KB) Additional Information: full citation, abstract, referer terms, review

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 115, Citatio


Object-oriented databases (OODBs) provide powerful data abstractions facilities, but they generally lack a suitable framework for query process optimization. The development of an effective query optimizer is one of

Keywords: nested relations, object-oriented databases, query decorrel optimization

9 Predicate rewriting for translating Boolean queries in a heterogeneous system

 Chen-Chuan K. Chang, Héctor García-Molina, Andreas Paepcke
January 1999 **Transactions on Information Systems (TOIS)**, Volume 17 I




Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (350.96 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 33, Citation




Searching over heterogeneous information sources is difficult in part be nonuniform query languages. Our approach is to allow users to compos in one rich front-end language. For each user query and target source, i

Keywords: Boolean queries, content-based retrieval, filtering, predicat subsumption, query translation

-  **GLOSS: text-source discovery over the Internet**
 Luis Gravano, Héctor García-Molina, Anthony Tomasic
 June 1999 **Transactions on Database Systems (TODS)**, Volume 24 Issue 2
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (230.37 KB) **Additional Information:** full citation, abstract, referer terms, review
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 73, Citation


The dramatic growth of the Internet has created a new problem for users: relevant sources of documents. This article presents a framework for (a) analyzing a solution to this problem, which we call the text-source ...

Keywords: Internet search and retrieval, digital libraries, distributed in retrieval, text databases




- 11 Searching in high-dimensional spaces: Index structures for improving performance of multimedia databases
 Christian Böhm, Stefan Berchtold, Daniel A. Keim
 September 2001 **Computing Surveys (CSUR)**, Volume 33 Issue 3
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (1.39 MB) **Additional Information:** full citation, abstract, referer terms
Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 509, Citation

During the last decade, multimedia databases have become increasingly important in many application areas such as medicine, CAD, geography, and molecular biology. An important research issue in the field of multimedia databases is the construction of efficient retrieval ...

Keywords: Index structures, indexing high-dimensional data, multimedia similarity search

- 12 Plan selection based on query clustering
 Antara Ghosh, Jignashu Parikh, Vibhuti S. Sengar, Jayant R. Haritsa
 August 2002 **Vldb '02: Proceedings of the 28th international conference on Very Large Databases**
Publisher: VLDB Endowment
 Full text available:  Pdf (1.81 MB) **Additional Information:** full citation, abstract, referer terms
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 25, Citation

Query optimization is a computationally intensive process, especially for large queries. We present here a tool, called PLASTIC, that can be used by query optimizers to reduce the optimization cost. Our scheme groups similar queries into clusters ...


- 13 Disjunctive datalog
 Thomas Eiter, Georg Gottlob, Heikki Mannila
 September 1997 **Transactions on Database Systems (TODS)**, Volume 22 Issue 3
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (646.59 KB) **Additional Information:** full citation, abstract, referer terms

terms, review


Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 91, Citation

We consider disjunctive Datalog, a powerful database query language b disjunctive logic programming. Briefly, disjunctive Datalog is a variant c disjunctions may appear in the rule heads; advanced versions also allow

14 Efficient passage ranking for document databases

 Marcin Kaszkiel, Justin Zobel, Ron Sacks-Davis
October 1999 **Transactions on Information Systems (TOIS)**, Volume 17 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (328.98 KB) Additional Information: full citation, abstract, referer terms


Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 68, Citation

Queries to text collections are resolved by ranking the documents in the returning the highest-scoring documents to the user. An alternative retr rank passages, that is, short fragments of documents, a strategy that c

Keywords: inverted files, passage retrieval, query evaluation, text data retrieval

15 On using extended statistical queries to avoid membership queries


Nader H. Bshouty, Vitaly Feldman
March 2002 **The Journal of Machine Learning Research**, Volume 2
Publisher: MIT Press

Full text available:  Pdf (355.87 KB) Additional Information: full citation, abstract, referer terms


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 14, Citation

The Kushilevitz-Mansour (KM) algorithm is an algorithm that finds all th coefficients of a Boolean function. It is the main tool for learning decisio expressions in the PAC model with respect to the uniform distribution. .

16 Self-indexing inverted files for fast text retrieval

 Alistair Moffat, Justin Zobel
October 1996 **Transactions on Information Systems (TOIS)**, Volume 14 1


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (484.52 KB) Additional Information: full citation, abstract, referer terms


Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 247, Citation

Query-processing costs on large text databases are dominated by the n and scan the inverted list of each query term. Retrieval time for inverte greatly reduced by the use of compression, but this adds to the CPU tim

17 PIC matrices: a computationally tractable class of probabilistic query

 Warren R. Greiff, W. Bruce Croft, Howard Turtle
October 1999 **Transactions on Information Systems (TOIS)**, Volume 17 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (239.43 KB) Additional Information: full citation, abstract, referer terms, review

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 23, Citation


The inference network model of information retrieval allows a probabilistic of query operators. In particular, Boolean query operators are convenient link matrices of the Bayesian Network. Prior work has shown, however,

Keywords: Bayesian networks, Boolean queries, computational complex networks, link matrices, piecewise linear functions, pruning, probabilistic retrieval, query operators

18 Query association for effective retrieval

 Falk Scholer, Hugh E. Williams
November 2002 **CIKM '02: Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM  Request Permissions


Full text available:  Pdf (151.13 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation


We introduce a novel technique for document summarisation which we call query association. Query association is based on the notion that a query that is associated with a document is a good descriptor of that document. For example, the use of "richmond ...

Keywords: past queries, query association, relevance assessment, search

19 An information-theoretic approach to automatic query expansion

 Claudio Carpineto, Renato de Mori, Giovanni Romano, Brigitte Bigi
January 2001 **Transactions on Information Systems (TOIS)**, Volume 19 Issue 1

Publisher: ACM  Request Permissions


Full text available:  Pdf (414.88 KB) Additional Information: full citation, abstract, referer terms, review

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 215, Citation

Techniques for automatic query expansion from top retrieved document promises for improving retrieval effectiveness on large collections; however, they rely on an empirical ground, and there is a shortage of cross-system comparisons.


Keywords: automatic query expansion, information retrieval, information pseudorelevance feedback

20 Tail recursion elimination in deductive databases

 Kenneth A. Ross
June 1996 **Transactions on Database Systems (TODS)**, Volume 21 Issue 2

Publisher: ACM  Request Permissions




Full text available: Additional Information: full citation, abstract, referer terms, review

 Pdf (346.78 KB)[review](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 26, Citation

We consider an optimization technique for deductive and relational data optimization technique is an extension of the magic templates rewriting improve the performance of query evaluation by not materializing the e intermediate ...

Keywords: deductive databases, magic sets, query optimization, tail reResult page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#)

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1 [Optimizing object queries using an effective calculus](#)

Leonidas Fegaras, David Maier

December 2000 **Transactions on Database Systems (TODS)**, Volume 25:1**Publisher:** ACM Request Permissions

Full text available: Pdf (641.65 KB)

Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 115, Citation

Object-oriented databases (OODBs) provide powerful data abstractions generally lack a suitable framework for query processing and optimization. An effective query optimizer is one of the key factors ...

Keywords: nested relations, object-oriented databases, query decorrelation2 [Computing curricula 2001](#)

CORPORATE The Joint Task Force on Computing Curricula

September 2001 **Journal on Educational Resources in Computing (JER)****Publisher:** ACM Request Permissions

Full text available: Html (2.78 KB), Pdf (613.63 KB) Additional Information: full citation,

Bibliometrics: Downloads (6 Weeks): 86, Downloads (12 Months): 1213, Citation3 [C and tcc: a language and compiler for dynamic code generation](#)

Massimiliano Poietto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoek

March 1999 **Transactions on Programming Languages and Systems (TPLS)****Publisher:** ACM Request Permissions

Full text available: Pdf (471.68 KB)

Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 110, Citation

Dynamic code generation allows programmers to use run-time information for performance and expressiveness superior to those of static code. The 'C' ANSI C that supports efficient and high-level ...

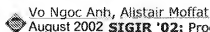
Keywords: ANSI C, compilers, dynamic code generation, dynamic code4 [Impact transformation: effective and efficient web retrieval](#)**ADVANCED SEARCH**

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Vo Ngoc Anh, Alistair Moffat

August 2002 **SIGIR '02: Proceedings of the 25th annual international ACM and development in information retrieval****Publisher:** ACM [Request Permissions](#)

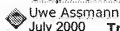
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Additional Information: [full citation](#), [abstract](#),**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 76, Citation

We extend the applicability of impact transformation, which is a technique assigned to documents so as to boost the effectiveness of retrieval while large document collections. In conjunction ...

Keywords: dynamic pruning, index compression, web searching

5 Graph rewrite systems for program optimization



Uwe Assmann

July 2000 **Transactions on Programming Languages and Systems (****Publisher:** ACM [Request Permissions](#)

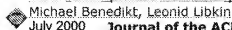
Full text available: Pdf (571.22 KB)

Additional Information: [full citation](#), [abstract](#),**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 91, Citation

Graph rewrite systems can be used to specify and generate program optimizations. Several rule-based criteria are developed, defining exhaustive and nondeterministic systems stratification ...

Keywords: compiler generators, graph rewrite systems, program analysis, program transformation, specification, stratification, very high-level languages

6 Relational queries over interpreted structures



Michael Benedikt, Leonid Libkin

July 2000 **Journal of the ACM (JACM)**, Volume 47 Issue 4**Publisher:** ACM [Request Permissions](#)

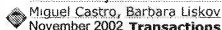
Full text available: Pdf (455.92 KB)

Additional Information: [full citation](#), [abstract](#),**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation

We rework parts of the classical relational theory when the underlying data is interpreted operations that can be used in queries. We identify parts of the theory that are 'as before' when interpreted structure ...

Keywords: 0-minimality, collapse results, constraints, quantifier elimination

7 Practical byzantine fault tolerance and proactive recovery



Miguel Castro, Barbara Liskov

November 2002 **Transactions on Computer Systems (TOCS)**, Volume 20 I**Publisher:** ACM [Request Permissions](#)


Full text available: Pdf (1.63 MB)

Additional Information: [full citation](#), [abstract](#),**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 380, Citation

Our growing reliance on online services accessible on the Internet demands provide correct service without interruptions. Software bugs, operator error a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive replication, state transfer

8 [Commutativity analysis: a new analysis technique for parallelizing co](#)

 Pedro C. Diniz / Martin C. Rinard

November 1997 **Transactions on Programming Languages and Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (472.62 KB)


Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 59, Citation

This article presents a new analysis technique, commutativity analysis, computations that manipulate dynamic, pointer-based data structures. computation as composed of operations on objects. ...

Keywords: parallel computing

9 [Hierarchical indexing and document matching in BoW](#)

 Maayan Geffat, Dror G. Feitelson

January 2001 **JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (434.24 KB)

Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation



BoW is an on-line bibliographical repository based on a hierarchical collection of linked. Searching in the repository should therefore return matching top results rather than just a list of entries. Likewise, when ...

10 [Property-Specific Testbench Generation for Guided Simulation](#)

Aarti Gupta, Albert E. Casavant, Pranav Ashar, Akira Mukaiyama, Kazutoshi

January 2002 **ASP-DAC '02: Proceedings of the 2002 Asia and South Pacific**

Publisher: IEEE Computer Society


Full text available:  [Publisher Site](#),  Pdf (208.21 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 18, Citation

Simulation continues to be the primary technique for functional validation of digital designs. Simulation vectors are effective in targeting the types of bugs designers are most likely to encounter. The overall ...


Keywords: guided simulation, intelligent testbench generation, witness testbench, symbolic model checking, approximate model checking, iterative

11 [A code-motion pruning technique for global scheduling](#)

 Luiz C. V. Dos Santos, M. J. M. Heijligers, C. A. J. Van Eijk, J. Van Eijnhove

January 2000 **Transactions on Design Automation of Electronic Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (293.27 KB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 24, Citation

In the high-level synthesis of ASICs or in the code generation for ASIPs the behavioral description represents an obstacle to exploit parallelism. choices in such a way that the search ...


Keywords: code generation, code motion, global scheduling, high-level

12 [Using shape analysis to reduce finite-state models of concurrent Java](#)

 James C. Corbett

January 2000 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (284.92 KB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 68, Citation

Finite-state verification (e.g., model checking) provides a powerful means which are often subtle and difficult to reproduce. Nevertheless, widespread developers is unlikely until tools provide ...


Keywords: Java, concurrent systems, finite-state verification, model checking, analysis, state-space reductions

13 [Existential second-order logic over strings](#)

 Thomas Eiter, Georg Gottlob, Yuri Gurevich

January 2000 **Journal of the ACM (JACM)**, Volume 47 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (2.14 MB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 80, Citation

Existential second-order logic (ESO) and monadic second-order logic (MSO) in logic and computer science. ESO is a much more expressive logic over strings. However, little was known about the relationship between ...


Keywords: NP, PSPACE, decision problem, descriptive complexity, existential finite satisfiability, finite words, model checking, prefix classes, regular strings

14 [Effort profiles in multi-agent resource allocation](#)

 H. Van Dyke Parunak, Sven Brueckner, John Sauter, Robert Savit

July 2002 **AAMAS '02: Proceedings of the first international joint conference on multiagent systems: part 1**

Publisher: ACM

Full text available:  Pdf (336.15 KB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation

Multi-agent systems are particularly appropriate for resource allocation, operation requires understanding their dynamics. Concepts from statistical transitions, can help. In decision problems ...


Keywords: complexity, effort profile, negotiation, phase change, phase

15 **DPF: fast, flexible message demultiplexing using dynamic code generation**

 Dawson R., Engler, M., Frans Kaashoek

August 1996 **SIGCOMM '96: Conference proceedings on Applications, technologies, and protocols for computer communications**

Publisher: ACM 

Full text available:  Pdf (97.17 KB)

Additional Information: full citation, abstract,


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 36, Citation

Fast and flexible message demultiplexing are well-established goals in [22]. Currently, however, network architects have had to sacrifice one for the other. We present a packet-filter system, DPF (Dynamic Packet Filters), ...

Also published in:

October 1996 **SIGCOMM Computer Communication Review** Volume 26 Issue 4

16 **Filling and slotting: analysis and algorithms**

 Andrew B. Kahng, Gabriel Robins, Anish Singh, Huijuan Wang, Alexander Z

April 1998 **ISPD '98: Proceedings of the 1998 international symposium on Design Automation**

Publisher: ACM


Full text available:  Pdf (1.19 MB)

Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 15, Citation

In very deep-submicron VLSI, certain manufacturing steps — not development and etch, chemical vapor deposition and chemical-mechanical polishing — have varying effects on device and interconnect features depending on ...

17 **Eraser: a dynamic data race detector for multithreaded programs**

 Stefan Savage, Michael Burrows, Greg Nelson, Patrick Sobalvarro, Thomas

November 1997 **Transactions on Computer Systems (TOCS)**, Volume 15 Issue 4

Publisher: ACM 

Full text available:  Pdf (136.04 KB)

Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 279, Citation

Multithreaded programming is difficult and error prone. It is easy to make a program that produces a data race, yet it can be extremely hard to locate this mistake. This article describes a new tool, called Eraser, ...

Keywords: binary code modification, multithreaded programming, race

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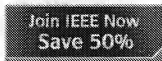

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1. Vector Boolean Algebra and Calculus

Lee, S.C.;

Computers, IEEE Transactions on

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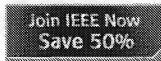

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1987-12-31 IPCOM000161128D

RULEBASED QUE OPTIMIZATION IN EXTENSIBLE DATABASE SYSTEMS GOETZ GRAE
of the requirements for the degree of Doctor of Philosophy (Computer Sciences) at t
1987 vi Table of ...

Result # 2 Relevance: ○○○○○○

A QUERY OPTIMIZATION IN DISTRIBUTED DATABASE SYSTEMS

1983-02-28 IPCOM000151635D

THE UNIVERSITY OF MICHIGAN COMPUTING RESEARCH LABORATORY~ OPTIMIZATI
A Q U m C-w. Chung CRGTR-4433 6 Under the Direction of Professor Keki I. Brani R
Arbur. Michigan 48109 ...

Result # 3 Relevance: ○○○○○○

Query Optimization for Relational Accessing Language

1986-01-01 IPCOM000059690D

This invention relates to query optimization in relational accessing languages with re
I/O reduction. Among the predicates of interest include IN, NOT, LIKE, and BETWEEN
optimizing steps include (a) ...

Result # 4 Relevance: ○○○○○○

Translating Queries in Relational Databases Using Schema Mapping

2003-01-10 IPCOM000010707D

Result # 5 Relevance: ○○○○○○

RELATIONAL DATABASE SYSTEM IMPLEMENTATIONS -- A SURVEY

1978-01-31 IPCOM000151421D

Report No. UIUCDCS-R-78-913 RELATIONAL DATABASE SYSTEM IMPLEMENTATIONS
Department of Computer Science University of Illinois at Urbana-Champaign Urbana
part by the National ...

Result # 6 Relevance: ○○○○○○

ON EQUIVALENCE AND MINIMIZATION OVER ALGEBRAIC STRUCTU

1899-12-30 IPCOM000149350D

(Extended Abstract) Peter A. Bloniarz, Harry B. Hunt, 111, and Daniel J. Rosenkrant
Science Department State University of New York at Albany Albany, New York This r
National Science ...

Result # 7 Relevance: ○○○○○○

Bibliography of Computing Research Laboratory Reports, 1982- 198

1984-01-01 IPCOM000128464D

This report lists, in chronological order, all reports published by the Computing Rese
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date. In the ...

Result # 8 Relevance: ○○○○○○

DATA STRUCTURE CHOICE/FORMAL DIFFERENTIATION

1899-12-30

IPCOM000149443D

COURANT INSTITUTE OF MATHEMATICAL SCIENCES Computer Science NSO-15
DIFFERENTIATION Ssu-cheng Liu and Robert Paige September 1979 Report
No. NSF-MCS-76-00116 from the Nat ...

Result # 9 Relevance: **FFS: SUPPORT FOR A RELATIONAL-NETWORK DATABASE MANAGEM**

1987-12-31

IPCOM000151788D

FFS : SUPPORT FOR A RELATION-IL-NETWORK DATABASE MANAGEMENT SYSTEM B
College, 1985 THESIS Submitted in partial fulfillment of the requirements for the de
Science in the Graduate College of ...

Result # 10 Relevance: **System/U: A Database System based on the Universal Relation Ass**

1899-12-30

IPCOM000150855D

A Database System based on the Universal Relation Assumptant HENRY F. KORTH I
N.Y. GABRIEL M. KUPER Stanford University Stanford, California. JEFFREY D. ULIMA
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Yuan et al., "Simplifying Boolean constraint solving for random simulation-vector generation", Nov. 10-14, 2002, □Computer Aided Design, 2002. ICCAD 2002 ...
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To **simplify** the complexity of this algorithm, the greek small letter alpha ... is the **vector** of parameters. For details, see Hastie et al. (2002). ... where L_j is a **Boolean expression** of covariates View the MathML source ...
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Bogdan Smolka, Adaptive modification of the **vector** median filter, Machine Graphics & Vision International Journal, v.11 n.2/3, p.327-350, 2002 ...
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Inventor(s): **SAUERMAN VOLKER** [DE]. Applicant(s): SAP AG [DE]. Classification: - international: G06F9/50; G06F9/46; (IPC1-7): G06F9/50 ...
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US2005262158 (A1), filed Fri May 21 00:00:00 CDT 2004, published Thu Nov 24 00:00:00 CST 2005 - **SAUERMAN VOLKER**. The present invention relates to a method ...
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Sauermann, Volker. Address: Heidelberg, DE. No. of patents: 11. Patents: Patent Number,

Title Of Patent, Date Issued. 7487165, Computer implemented method ...

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